

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1-167. (Cancelled)

168. (New) A tissue sealant or adhesive, comprising:

- (a) a first solution comprising a polymer, the first solution having a first pH value; and
- (b) a second solution comprising a cross-linker, the second solution having a second pH value,

wherein the cross-linker is activated at a pH between the pH of the first solution and the pH of the second solution.

169. (New) The tissue sealant or adhesive according to claim 168 wherein the first solution has a pH between about 3.0 and about 6.0.

170. (New) The tissue sealant or adhesive according to claim 168 wherein the second solution has a pH between about 7.0 and about 10.0.

171. (New) The tissue sealant or adhesive according to claim 168 wherein the polymer comprises a protein.

172. (New) The tissue sealant or adhesive according to claim 171 wherein the protein is selected from the group consisting of albumin, collagen, gelatin, globulin, elastin, protamine, and histone.

173. (New) The tissue sealant or adhesive according to claim 168 wherein the polymer comprises albumin.

174. (New) The tissue sealant or adhesive according to claim 168 wherein the second solution further comprises a protein.

175. (New) A method of forming a tissue sealant or adhesive comprising:

(a) providing a first solution comprising a polymer, the first solution having a first pH value; and

a second solution comprising a cross-linker, the second solution having a second pH value,

wherein the cross-linker is activated at a pH between the pH of the first solution and the pH of the second solution;

(b) mixing the first solution and the second solution, wherein the cross-linking agent is activated upon mixing of the first solution with the second solution.

176. (New) The method of claim 175 wherein the first solution and the second solution are mixed prior to application to a tissue locus.

177. (New) The method of claim 175 wherein the first solution and the second solution are mixed after application to a tissue locus.